



Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

Panther Creek

Water Body Segment at a Glance:

Counties:	Polk, Hickory and St.Clair
Nearby Cities:	Humansville
Length of impaired segment:	7.8 miles
Pollutant:	Low Dissolved Oxygen
Source:	None Given
Water Body ID:	1373



Scheduled for TMDL development: 2016

Description of the Problem

Beneficial uses of Panther Creek

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health (Fish Consumption)
- Whole Body Contact Recreation

Use that is impaired

- Protection of Warm Water Aquatic Life

Standards that apply

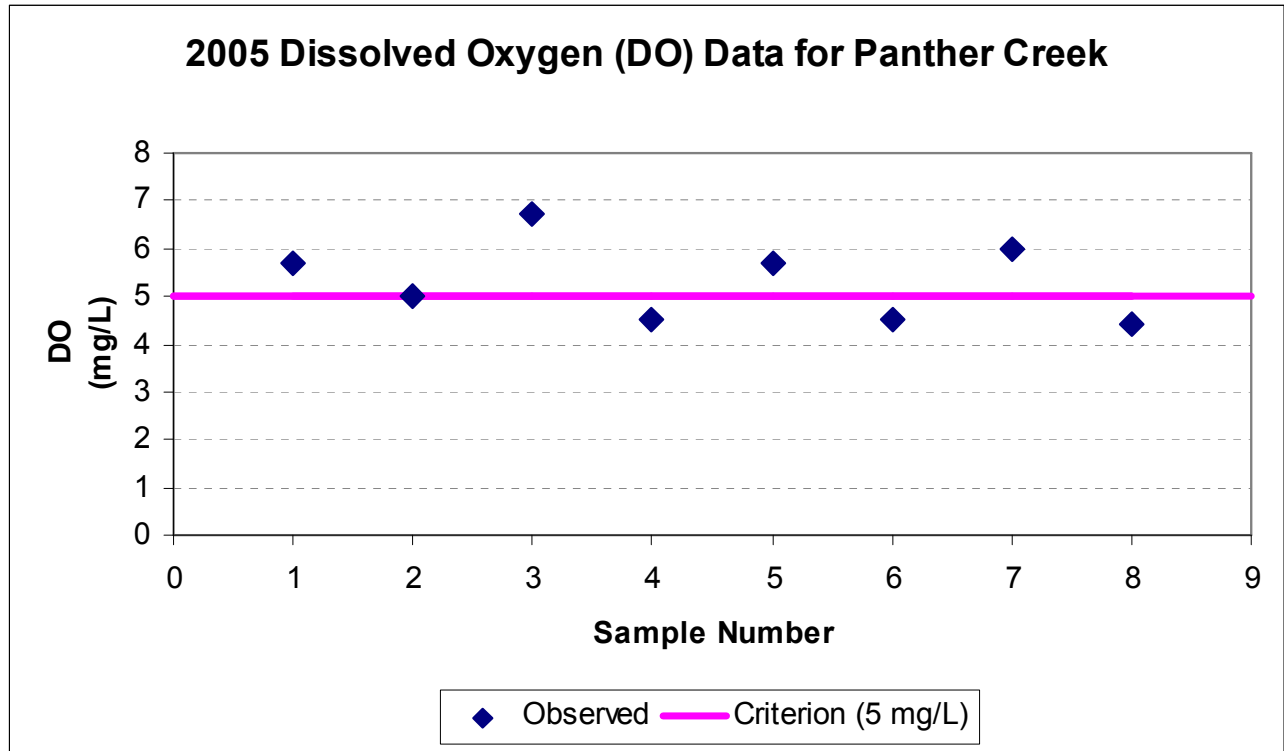
- In the Missouri Water Quality Standards, found in 10 CSR 20-7.031 Table A, the criterion for dissolved oxygen, or DO, in streams is a minimum of 5 mg/L (milligrams per liter or parts per million).

Background information and water quality data

Panther Creek is a rural stream that flows north and west around Humansville, Missouri, to join Brush Creek. The low dissolved oxygen impairment is based on data collected by the department from 2000-2004 and 2006.

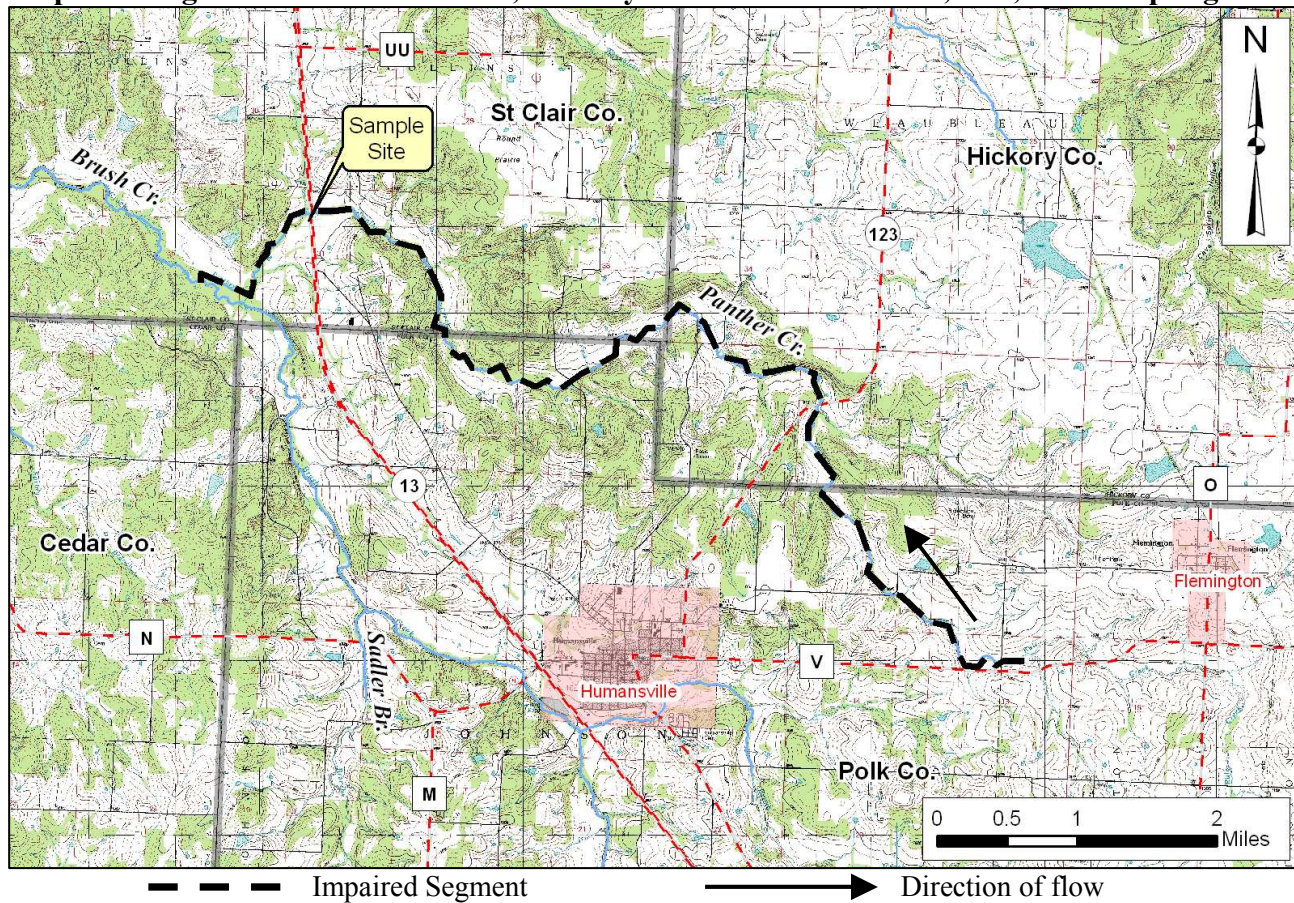
Water quality conditions in Panther Creek are not protective of aquatic life. Dissolved oxygen is important as many aquatic organisms require high levels of oxygen to survive. For dissolved

oxygen, if more than 10 percent of measurements in a water body fail to meet the water quality criterion, that water body is judged to be impaired. In the case of Panther Creek, three of eight samples (37.5 percent) did not meet the water quality criterion. It is not known what is causing the dissolved oxygen to be low.



A map of Panther Creek may be found on the next page.

Map Showing Panther Creek in Polk, Hickory and St. Clair counties, Mo., and Sampling Site



Sample Site
Panther Creek at State Highway 13

For more information call or write:

Missouri Department of Natural Resources

Water Protection Program

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